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1 2. A cellular phone as claimed in claim 1,
2 wherein said signal data includes interval and scale data as well as
3 tone data.

3. A cellular phone as claimed in claim 1,
wherein said memory means stores a plurality of pieces of signal
data having first tone data in specified order and stores a plurality of pieces of signal data
having second tone data in specified order; and
said control means controls said signal generating means in such a
manner that an audio signal corresponding to the signal data having said first tone data
and an audio signal corresponding to the signal data having said second tone data are
generated with predetermined timing.

1 4. A cellular phone as claimed in claim 3,
2 wherein when an audio signal corresponding to the signal data
3 having said first tone data and an audio signal corresponding to the signal data having
4 said second tone data are generated with predetermined timing, the audio signal
5 corresponding to the signal data having said first tone data and the audio signal
6 corresponding to the signal data having said second tone data form a chord relation with
7 each other in terms of their intervals and scales.

1 5. A cellular phone comprising:
2 a high-frequency circuit unit connected to an antenna;
3 an audio circuit unit connected to the high-frequency circuit unit;
4 a control means for controlling said high-frequency circuit unit and
5 said audio circuit unit;
6 a memory means connected to the control means;
7 a control unit connected to said control means;
8 a microphone and a receiver connected to said audio circuit unit;
9 a speaker for providing specified output in a range between a first
10 frequency and a second frequency; and
11 a signal generating means for supplying an audio signal to the
12 speaker;

13 wherein signal data corresponding to an audio signal to be
14 generated by said signal generating means is stored in said memory means so that said
15 control means controls said signal generating means based on said signal data;
16 said signal data includes interval and scale data as well as tone data
17 and is divided into a plurality of parts according to each piece of tone data, whereby in a
18 part having a wide range of frequency distribution, said signal data includes a
19 corresponding audio signal whose frequency is in a range between said first frequency
20 and said second frequency, and is stored in said memory means;

21 in a part having a narrow range of frequency distribution, said
22 signal data is stored in said memory means when the frequency of the corresponding
23 audio signal is in a range between said first frequency and said second frequency; and
24 the audio signal stored in said memory means is supplied to said
25 speaker.

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1 6. A cellular phone as claimed in claim 5,
2 wherein said control means causes each of the audio signals of said
3 plurality of parts to be supplied to said speaker with predetermined timing.

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2 7. A cellular phone as claimed in claim 6,
3 wherein the audio signals of said plurality of parts form a chord
4 relation with one another in terms of their intervals and scales when the audio signals of
5 said plurality of parts are supplied to said speaker with predetermined timing.

1 8. A melody sound reproducing unit comprising:
2 a speaker for providing specified output in a range between a first
3 frequency and a second frequency;
4 a signal generating means for supplying an audio signal to the
5 speaker;
6 a memory means for storing signal data corresponding to an audio
7 signal to be generated by the signal generating means; and
8 a control means for controlling said signal generating means based
9 on said signal data;
10 wherein said signal data is stored in said memory means when the
11 frequency of the corresponding audio signal is in a range between said first frequency and
12 said second frequency; and
13 the audio signal whose frequency is in a range between said first
14 frequency and said second frequency is supplied to said speaker.

1 9. A melody sound reproducing unit as claimed in claim 8,
2 wherein said signal data includes interval and scale data as well as
3 tone data;
4 said memory means stores a plurality of pieces of signal data
5 having first tone data in specified order and stores a plurality of pieces of signal data
6 having second tone data in specified order; and
7 said control means controls said signal generating means in such a
8 manner that an audio signal corresponding to the signal data having said first tone data
9 and an audio signal corresponding to the signal data having said second tone data are
10 generated with predetermined timing.

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1 10. A melody sound reproducing unit as claimed in claim 9,
2 wherein when an audio signal corresponding to the signal data
3 having said first tone data and an audio signal corresponding to the signal data having
4 said second tone data are generated with predetermined timing, the audio signal
5 corresponding to the signal data having said first tone data and the audio signal
6 corresponding to the signal data having said second tone data form a chord relation with
7 each other in terms of their intervals and scales.

1 11. A melody sound reproducing method for a melody sound
2 reproducing unit, said reproducing unit including a speaker for providing specified output
3 in a range between a first frequency and a second frequency; a signal generating means
4 for supplying an audio signal to the speaker; a memory means for storing signal data
5 corresponding to an audio signal to be generated by the signal generating means; and a
6 control means for controlling said signal generating means based on said signal data; said
7 method comprising:

8 a step in which said signal data is stored in said memory means
9 when the frequency of the corresponding audio signal is in a range between said first
10 frequency and said second frequency; and

11 a step in which the audio signal whose frequency is in a range
12 between said first frequency and said second frequency is supplied to said speaker.

1 12. A melody sound reproducing method as claimed in claim 11,
2 wherein said signal data includes interval and scale data as well as
3 tone data.

1 13. A melody sound reproducing method for a melody sound
2 reproducing unit, said reproducing unit including a speaker for providing specified output
3 in a range between a first frequency and a second frequency; a signal generating means
4 for supplying an audio signal to the speaker; a memory means for storing signal data
5 corresponding to an audio signal to be generated by the signal generating means; and a
6 control means for controlling said signal generating means based on said signal data;

7 wherein said memory means stores a plurality of pieces of signal
8 data having first tone data in specified order, said signal data including a corresponding
9 audio signal whose frequency is in a range between said first frequency and said second

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10 frequency, and stores a plurality of pieces of signal data having second tone data in
11 specified order, said signal data including a corresponding audio signal whose frequency
12 is in a range between said first frequency and said second frequency; and
13 said control means controls said signal generating means in such a
14 manner that the audio signal corresponding to the signal data having said first tone data
15 and the audio signal corresponding to the signal data having said second tone data are
16 generated simultaneously, whereby a sound corresponding to the signal data which has
17 said first tone data and includes a corresponding audio signal whose frequency is in a
18 range between said first frequency and said second frequency and a sound corresponding
19 to the signal data which has said second tone data and includes a corresponding audio
20 signal whose frequency is in a range between said first frequency and said second
21 frequency are produced from said speaker with predetermined timing.

1 14. A melody sound reproducing method as claimed in claim 13,
2 wherein when an audio signal corresponding to the signal data
3 having said first tone data and an audio signal to the signal data having said second tone
4 data are generated with predetermined timing, the audio signal corresponding to the
5 signal data having said first tone data and the audio signal corresponding to the signal
6 data having said second tone data form a chord relation with each other in terms of their
7 intervals and scales.

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